

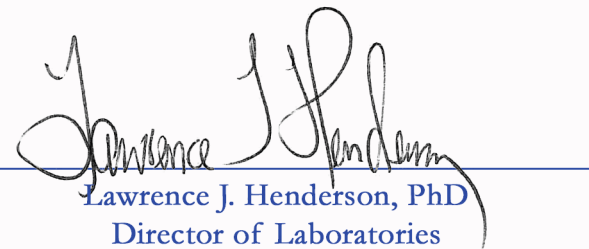
Certificate of Compliance

This is to certify that

EDGE ANALYTICAL, Inc.,
An Accredited Drinking Water Laboratory,
Certification number 046, has completed the analysis of

E&P CO., LTD
“Dr.COa”

on January 30, 2019, according to the IBWA “Appendix A” testing requirements for bottled drinking water. All parameters were found to be in compliance with FDA’s and IBWA’s published Standard of Quality limits for bottled drinking water.



Lawrence J. Henderson, PhD
Director of Laboratories

The signature of Lawrence J. Henderson, PhD, is written in black ink above a horizontal line. Below the line, his name and title are printed in a blue, sans-serif font.

18-47982



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BOTTLED WATER STANDARD OF QUALITY REPORT

Client Name: E&P Co., Ltd
 1F, 130-53, Jiseon-ro, Oesan-myeon, Buyeo-gun,
 Chungcheongnam-do
 Korea 33100

Reference Number: **18-47982**

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Project: IBWA w/SOCs-Dr.COa
 Field ID: IBWA w/SOC's
 Sample Description: Dr.COa
 Sampled By:
 Sample Date: 01/08/2019

Lab Number: **98153**
 Report Date: 01/29/2019
 Approved By: anp,bj,dst,hkl,hy,nml,pdm

Inorganic Chemicals (IOCs)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
7440-36-0	ANTIMONY	ND	0.006	0.001	mg/L	200.8	a	
7440-38-2	ARSENIC	ND	0.010	0.001	mg/L	200.8	a	
7440-39-3	BARIUM	0.008	1.0	0.001	mg/L	200.8	a	
7440-41-7	BERYLLIUM	ND	0.004	0.001	mg/L	200.8	a	
7440-43-9	CADMIUM	ND	0.005	0.001	mg/L	200.8	a	
7440-47-3	CHROMIUM	ND	0.05	0.005	mg/L	200.8	a	
16984-48-8	FLUORIDE	ND	2.4	0.10	mg/L	300.0	a	
7439-92-1	LEAD	ND	0.005	0.001	mg/L	200.8	a	
7439-97-6	MERCURY	ND	0.001	0.0002	mg/L	245.1	a	
7440-02-0	NICKEL	ND	0.1	0.001	mg/L	200.8	a	
14797-55-8	NITRATE-N	0.89	10	0.10	mg/L	300.0	a	
14797-65-0	NITRITE-N	ND	1.0	0.10	mg/L	300.0	a	
E-10128	TOTAL NITRATE/NITRITE	0.89	10	0.10	mg/L	300.0	a	
7782-49-2	SELENIUM	ND	0.010	0.005	mg/L	200.8	a	
7440-28-0	THALLIUM	ND	0.002	0.001	mg/L	200.8	a	
1497-73-0	PERCHLORATE	ND	0.002	0.001	mg/L	331.0		Analyzed by Eurofins

Notation:

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BOTTLED WATER STANDARD OF QUALITY REPORT

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
57-12-5	CYANIDE	ND	0.1	0.010	mg/L	OIA-1677-DW	a	
7429-90-5	ALUMINUM	ND	0.2	0.010	mg/L	200.7	a	
16887-00-6	CHLORIDE	6.7	250	0.1	mg/L	300.0	a	
7440-50-8	COPPER	ND	1.0	0.005	mg/L	200.8	a	
7439-89-6	IRON	0.06	0.3	0.050	mg/L	200.7	a	
7439-96-5	MANGANESE	ND	0.05	0.001	mg/L	200.8	a	
7440-22-4	SILVER	ND	0.025	0.010	mg/L	200.8	a	
14808-79-8	SULFATE	4.9	250	0.2	mg/L	300.0	a	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	107	500	10	mg/L	SM2540 C	a	
7440-66-6	ZINC	0.012	5.0	0.005	mg/L	200.8	a	

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BOTTLED WATER STANDARD OF QUALITY REPORT

Volatile Organic Chemicals (VOCs)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
71-55-6	1,1,1 - TRICHLOROETHANE	ND	30	0.4	ug/L	524.2	a	
79-00-5	1,1,2 - TRICHLOROETHANE	ND	3	0.4	ug/L	524.2	a	
75-35-4	1,1 - DICHLOROETHYLENE	ND	2	0.4	ug/L	524.2	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND	9	0.4	ug/L	524.2	a	
107-06-2	1,2 - DICHLOROETHANE	ND	2	0.4	ug/L	524.2	a	
78-87-5	1,2 - DICHLOROPROPANE	ND	5	0.4	ug/L	524.2	a	
71-43-2	BENZENE	ND	1	0.4	ug/L	524.2	a	
56-23-5	CARBON TETRACHLORIDE	ND	5	0.4	ug/L	524.2	a	
156-59-2	CIS - 1,2 - DICHLOROETHYLENE	ND	70	0.4	ug/L	524.2	a	
156-60-5	TRANS - 1,2 - DICHLOROETHYLENE	ND	100	0.4	ug/L	524.2	a	
100-41-4	ETHYLBENZENE	ND	700	0.4	ug/L	524.2	a	
75-09-2	METHYLENE CHLORIDE (DICHLOROMETHANE)	ND	3	0.4	ug/L	524.2	a	
108-90-7	MONOCHLOROBENZENE	ND	50	0.4	ug/L	524.2	a	
95-50-1	O - DICHLOROBENZENE	ND	600	0.4	ug/L	524.2	a	
106-46-7	P - DICHLOROBENZENE	ND	75	0.4	ug/L	524.2	a	
100-42-5	STYRENE	ND	100	0.4	ug/L	524.2	a	
127-18-4	TETRACHLOROETHYLENE	ND	1	0.4	ug/L	524.2	a	
108-88-3	TOLUENE	ND	1000	0.4	ug/L	524.2	a	
79-01-6	TRICHLOROETHYLENE	ND	1	0.4	ug/L	524.2	a	
75-01-4	VINYL CHLORIDE	ND	2	0.4	ug/L	524.2	a	
1330-20-7	XYLENES (TOTAL)	ND	1000	0.4	ug/L	524.2	a	
75-27-4	BROMODICHLOROMETHANE	ND		0.4	ug/L	524.2	a	
124-48-1	CHLORODIBROMOMETHANE	ND		0.4	ug/L	524.2	a	
67-66-3	CHLOROFORM	ND		0.4	ug/L	524.2	a	
75-25-2	BROMOFORM	ND		0.4	ug/L	524.2	a	
E-14471	TOTAL TRIHALOMETHANE	ND	10	0.4	ug/L	524.2	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND	70	0.4	ug/L	524.2	a	
91-20-3	NAPHTHALENE	ND	300	0.4	ug/L	524.2	a	
79-34-5	1,1,1,2,2 - TETRACHLOROETHANE	ND	1	0.4	ug/L	524.2	a	

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Synthetic Organic Chemicals (SOCs)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
93-72-1	2,4,5 - TP (SILVEX)	ND	10	0.2	ug/L	515.4	a	
94-75-7	2,4 - D	ND	70	0.1	ug/L	515.4	a	
15972-60-8	ALACHLOR	ND	2	0.2	ug/L	525.2	a	
116-06-3	ALDICARB	ND	3	1	ug/L	531.2	a	
1646-88-4	ALDICARB SULFONE	ND	3	1	ug/L	531.2	a	
1646-87-3	ALDICARB SULFOXIDE	ND	4	1	ug/L	531.2	a	
1912-24-9	ATRAZINE	ND	3	0.1	ug/L	525.2	a	
1563-66-2	CARBOFURAN	ND	40	0.9	ug/L	531.2	a	
57-74-9	CHLORDANE	ND	2	0.2	ug/L	508.1	a	
75-99-0	DALAPON	ND	200	1	ug/L	515.4	a	
96-12-8	DIBROMOCHLOROPROPANE (DBCP)	ND	0.2	0.02	ug/L	504.1	a	
88-85-7	DINOSEB	ND	7	0.2	ug/L	515.4	a	
72-20-8	ENDRIN	ND	2	0.01	ug/L	525.2	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND	0.05	0.01	ug/L	504.1	a	
76-44-8	HEPTACHLOR	ND	0.4	0.04	ug/L	525.2	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND	0.2	0.02	ug/L	525.2	a	
58-89-9	LINDANE (BHC - GAMMA)	ND	0.2	0.02	ug/L	525.2	a	
72-43-5	METHOXYCHLOR	ND	40	0.1	ug/L	525.2	a	
23135-22-0	OXAMYL (VYDATE)	ND	200	2	ug/L	531.2	a	
87-86-5	PENTACHLOROPHENOL	ND	1	0.04	ug/L	515.4	a	
1918-02-1	PICLORAM	ND	500	0.1	ug/L	515.4	a	
1336-36-3	POLYCHLORINATED BIPHENYLS (PCB)	ND	0.5	0.5	ug/L	508.1	a	
122-34-9	SIMAZINE	ND	4	0.07	ug/L	525.2	a	
8001-35-2	TOXAPHENE	ND	3	1	ug/L	508.1	a	
1746-01-6	DIOXIN (2,3,7,8-TETRACHLORODIBENZOPHENANTHENE)	ND	30	5	pg/L	1613		Analyzed by PACE_MN
85-00-7	DIQUAT	ND	20	0.4	ug/L	549.2	a	
145-73-3	ENDOTHALL	ND	100	9	ug/L	548.1	a	
1071-83-6	GLYPHOSATE	ND	700	6	ug/L	547	a	
50-32-8	BENZO(A)PYRENE	ND	0.2	0.02	ug/L	525.2	a	
103-23-1	DI(2-ETHYLHEXYL)-ADIPATE	ND	400	0.6	ug/L	525.2	a	
117-81-7	DI(2-ETHYLHEXYL)-PHTHALATE	ND	6	0.6	ug/L	525.2	a	
118-74-1	HEXACHLOROBENZENE	ND	1	0.1	ug/L	525.2	a	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	50	0.1	ug/L	525.2	a	
E-10253	TOTAL RECOVERABLE PHENOLICS	ND	1	1	ug/L	420.4		Analyzed by NSF

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BOTTLED WATER STANDARD OF QUALITY REPORT

Water Properties

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
E-11712	COLOR	ND	5	5	Color Units	SM2120 B	a	pH: 6.89
E-10617	TURBIDITY	0.20	0.5	0.10	NTU	180.1	a	
E-10139	HYDROGEN ION (pH)	6.89	5.0-8.5		pH Units	150.1	a	Temp (C) : 20.8
E-11734	ODOR	ND	3	1	TON	SM2150	a	Temperature: 41.3

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BOTTLED WATER STANDARD OF QUALITY REPORT

Disinfectants/DBP

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
NA	HAA(5)	ND	60	1	ug/L	552.3	a	
15541-45-4	BROMATE	ND	0.010	0.001	mg/L	300.1	a	
10049-04-4	CHLORINE DIOXIDE	ND	0.8	0.10	mg/L	SM4500-CIO2 I	a	
7758-19-2	CHLORITE	ND	1.00	0.010	mg/L	300.1	a	
NA	CHLOROAMINES TOTAL	ND	4.0	0.05	mg/L	SM4500-CI G	a	
7782-50-5	FREE CHLORINE RESIDUAL	ND	0.1	0.05	mg/L	SM4500-CI G	a	

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BOTTLED WATER STANDARD OF QUALITY REPORT

Radiological Contaminants

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
12587-46-1	GROSS ALPHA	ND	15	3	pCi/L	900.0		Analyzed by Pace
12587-47-2	GROSS BETA	ND	50	4	pCi/L	900.0		Analyzed by Pace
13982-63-3	RADIUM 226	ND		1	pCi/L	903.1		Analyzed by Pace
15262-20-1	RADIUM 228	ND	5	1	pCi/L	904.0		Analyzed by Pace
7440-14-4	RADIUM 226,228 (combined)	ND	5	1	pCi/L	903.1/904.0		Analyzed by Pace
7440-61-1	URANIUM	ND	0.030	0.001	mg/L	200.8	a	

Notation:

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Data Report

Client Name: E&P Co., Ltd
 1F, 130-53, Jiseon-ro, Oesan-myeon, Buyeo-gun,
 Chungcheongnam-do, Korea (33100)

Reference Number: **18-47982**
 Project: IBWA w/SOCs-Dr.C0a

Report Date: 1/29/19

Date Received: 12/21/18

Approved by: anp,bj

Authorized by:

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: IBWA w/SOC's Dr.C0a										Sample Date: 1/8/19 10:29 am					
Lab Number: 98153										Sample Comment:			Collected By:		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment			
7440-70-2	CALCIUM	13.7	1	0.009	mg/L	1.0	200.7	a	1/11/19	ANP	200.7_190111b				
E-11778	HARDNESS as Calcium Carbonate	67.6	10	0.01	mg/L	1.0	200.7	a	1/11/19	ANP	200.7_190111b				
7439-95-4	MAGNESIUM	8.12	1	0.001	mg/L	1.0	200.7	a	1/11/19	ANP	200.7_190111b				
7440-09-7	POTASSIUM	ND	1.0	0.1	mg/L	1.0	200.7	a	1/11/19	ANP	200.7_190111b				
7440-23-5	SODIUM	5.94	0.50	0.05	mg/L	1.0	200.7	a	1/11/19	ANP	200.7_190111b				
E-10184	ELECTRICAL CONDUCTIVITY	166	10		uS/cm	1.0	SM2510 B	a	1/9/19	HKL	EC_190109				

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.